

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b>				INITIALS / CONTROL NO. <b>JYW/045248</b>		1. REQUISITION NUMBER <b>N66604-4181-0204</b>	
<b>OFFEROR MUST COMPLETE BLOCKS 12, 17, 23, 24, &amp; 30</b>							
2. CONTRACT NO.		3. AWARD/EFFECTIVE DATE		4. ORDER NUMBER		5. SOLICITATION NUMBER <b>N66604-04-Q-5248</b>	
						6. SOLICITATION ISSUE DATE <b>2004 AUG 12</b>	
7. FOR SOLICITATION INFORMATION CALL:		a. NAME <b>JEANNE WHITEMAN</b>		b. TELEPHONE NUMBER (No collect calls) <b>401-832-1927</b>		FAX NUMBER <b>401-832-4820</b>	
						8. OFFER DUE DATE / LOCAL TIME <b>2004 AUG 27 2:00 PM</b>	
9. ISSUED BY <b>Commercial Acquisition Department, Building 11 Naval Undersea Warfare Center Division, Newport Code 5911, Simonpietri Drive Newport, RI 02841-1708</b>				10. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input checked="" type="checkbox"/> SET ASIDE: <b>100%</b> FOR <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS 8(a) <input type="checkbox"/>		11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE <input checked="" type="checkbox"/>	
						12. DISCOUNT TERMS PURCHASE CARD	
						13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <b>DO-C9</b>	
						13b. RATING	
						14. METHOD OF SOLICITATION	
15. DELIVER TO: CODE <b>N66604</b> <b>Receiving Officer, Naval Station Newport 47 Chandler Street Newport, RI 02841-1716 401-841-3872</b> MARK FOR: <b>NUWC Division, Newport -- P.O.# N66604-04-Q-5248</b>				16. ADMINISTERED BY <b>SEE BLOCK 9</b> <b>NO PARTIAL SHIPMENTS OR PAYMENTS ARE AUTHORIZED.</b> <b>DIRECT ALL PAYMENT INQUIRIES TO THE INDIVIDUAL IDENTIFIED ON PAGE 2.</b>		NAICS: <b>541330</b> SIZE STANDARD <b>\$4.0M</b> <input checked="" type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP	
17a. CONTRACTOR / OFFEROR CAGE CODE				18a. PAYMENT WILL BE MADE BY CODE <b>Payment will be made by government purchase card, currently the Citibank Mastercard. At the time of shipment, or completion of services, contact the individual identified on page 2 to obtain the account number to be charged. Invoices and bankcard authorizations should be mailed to that individual at NUWC Receipt Control; Code 0221 Building 1176; Newport, RI 02841.</b>			
17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT ADDRESS IN OFFER <input type="checkbox"/>				18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK IS CHECKED <input type="checkbox"/> SEE NOTE ABOVE			
19. ITEM NO.		20. SCHEDULE OF SUPPLIES/SERVICES		21. QUANTITY		22. UNIT	
		<b>SEE PAGE 2</b>				23. UNIT PRICE	
						24. AMOUNT	
<b>DIST: File(1), Kr (1), 0221 (1), 0221 Rec Control (1), Orig (1)</b>							
25. ACCOUNTING AND APPROPRIATION DATA						26. TOTAL AWARD AMOUNT (For Govt. Use Only)	
<input checked="" type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA <input checked="" type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.							
<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.							
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN <input type="checkbox"/> COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY CONTINUATION SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.				29. AWARD OF CONTRACT: REFERENCE <input type="checkbox"/> OFFER DATED <input type="checkbox"/> YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: <b>ALL ITEMS</b>			
30a. SIGNATURE OF OFFEROR/CONTRACTOR				31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)			
30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT)		30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT)		31c. DATE SIGNED	
32a. QUANTITY IN COLUMN 21 HAS BEEN <input type="checkbox"/> RECEIVED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED:							
32b. SIGNATURE OF AUTHORIZED GOVT. REPRESENTATIVE				32c. DATE		32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVT. REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVT. REPRESENTATIVE				32f. TELEPHONE NUMBER OF AUTHORIZED GOVT. REPRESENTATIVE			
				32g. E-MAIL OF AUTHORIZED GOVT. REPRESENTATIVE			
33. SHIP. NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		34. VOUCHER NUMBER		35. AMOUNT VERIFIED CORRECT FOR		36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	
						37. CHECK NUMBER	
38. S/R ACCOUNT NUMBER		39. S/R VOUCHER NUMBER		40. PAID BY			
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.				42a. RECEIVED BY (Print)			
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				42b. RECEIVED AT (Location)			
				42c. DATE REC'D (YY/MM/DD)			
				42d. TOTAL CONTAINERS			

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001	MANUFACTURE OF A 5.5 KILOMETER UNDERSEA O-E-M CABLE IAW ATTACHED PERFORMANCE SPECIFICATIONS (SEE ATTACHMENT #1)	1	JO		
0002	DATA PER EXHIBIT "A", CONTRACT DATA REQUIREMENTS LIST (CDRL) DD FORM 1423	1	LO	NSP	NSP

**DIRECT ALL PAYMENT INQUIRIES TO RECEIPT CONTROL:**

Nancy Freeman @ 401-832-5953 or Barbara Asher @ 401-832-5955. Office Fax #401-832-3075.

**DELIVERY SCHEDULE**

(a) The Government requires delivery to be made according to the following schedule:

ITEM NUMBER	QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT
0001	1 EA	60

(b) The Government will consider offers that propose earlier delivery than the required delivery schedule. Offers that propose delivery that will not clearly fall within the delivery schedule specified above, will either be considered unacceptable, or a later delivery schedule will be negotiated with all offerors. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

**OFFEROR'S PROPOSED DELIVERY SCHEDULE**

ITEM NUMBER	QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT

**CONTRACT CLAUSES ADDENDUM**

**52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS -- COMMERCIAL ITEMS (JAN 2004)**

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clause, which is incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items: 52.233-3, Protest after Award (AUG 1996) (31 U.S.C. 3553).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the contracting officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items or components:

*(Contracting Officer shall check as appropriate.)*

- \_\_\_ (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (Jul 1995), with Alternate I (Oct 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).
- \_\_\_ (2) 52.219-3, Notice of HUBZone Small Business Set-Aside (Jan 1999)(15 U.S.C. 657a).
- \_\_\_ (3) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jan 1999) (if offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).
- \_\_\_ (4) (i) 52.219-5, Very Small Business Set-Aside (Jun 2003) (Pub. L. 103-403, section 304, Small Business Reauthorization and Amendments Act of 1994).
- \_\_\_ (ii) Alternate I (Mar 1999) of 52.219-5.

\_\_\_ (iii) Alternate II (Jun 2003 of 52.219-5.

\_\_\_ (5)(i) 52.219-6, Notice of Total Small Business Set-Aside (Jun 2003) (15 U.S.C. 644).

\_\_\_ (ii) Alternate I (Oct 1995) of 52.219-6.

\_\_\_ (6)(i) 52.219-7, Notice of Partial Small Business Set-Aside (Jun 2003) (15 U.S.C. 644).

\_\_\_ (ii) Alternate I (Oct 1995) of 52.219-7.

\_\_\_ (7) 52.219-8, Utilization of Small Business Concerns (Oct 2000) (15 U.S.C. 637 (d)(2) and (3)).

\_\_\_ (8)(i) 52.219-9, Small Business Subcontracting Plan (Jan 2002) (15 U.S.C. 637 (d)(4)).

\_\_\_ (ii) Alternate I (Oct 2001) of 52.219-9.

\_\_\_ (iii) Alternate II (Oct 2001) of 52.219-9.

\_\_\_ (9) 52.219-14, Limitations on Subcontracting (Dec 1996) (15 U.S.C. 637(a)(14)).

\_\_\_ (10), (11) and (12) are not applicable to this acquisition.

\_\_\_ (13) 52.222-3, Convict Labor (Jun 2003) (E.O. 11755).

X (14) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Jan 2004) (E.O. 13126).

X (15) 52.222-21, Prohibition of Segregated Facilities (Feb 1999)

X (16) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

X (17) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212).

X (18) 52.222-36, Affirmative Action for Workers with Disabilities (Jun 1998) (29 U.S.C. 793).

X (19) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212).

\_\_\_ (20)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Aug 2000) (42 U.S.C. 6962(c)(3)(A)(ii)).

\_\_\_ (ii) Alternate I (Aug 2000) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)).

\_\_\_ (21) through (23) are not applicable to this acquisition.

X (24) 52.225-13, Restrictions on Certain Foreign Purchases (Oct 2003) (E.O.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

\_\_\_ (25) and (26) are not applicable to this acquisition.

\_\_\_ (27) 52.232-29, Terms for Financing of Purchases of Commercial Items (Feb 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

\_\_\_ (28) 52.232-30, Installment Payments for Commercial Items (Oct 1995) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

\_\_\_ (29) through (31) are not applicable to this acquisition.

\_\_\_ (32) 52.239-1, Privacy or Security Safeguards (Aug 1996) (5 U.S.C. 522a).

\_\_\_ (33)(i) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (Apr 2003) (46 U.S.C. Appx 1241 and 10 U.S.C. 2631).

\_\_\_ (ii) Alternate I (APR 1984) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, which the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items or components:

*(Contracting Officer check as appropriate.)*

\_\_\_ (1) 52.222-41, Service Contract Act of 1965, as Amended (May 1989) (41 U.S.C. 351, et seq.).

\_\_\_ (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

\_\_\_ (3) 52.222-43, Fair Labor Standards Act and Service Contract Act -- Price Adjustment (Multiple Year and Option Contracts) (May 1989) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

\_\_\_ (4) 52.222-44, Fair Labor Standards Act and Service Contract Act -- Price Adjustment (Feb 2002) (29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

\_\_\_ (5) 52.222-47, SCA Minimum Wages and Fringe Benefits Applicable to Successor Contract Pursuant to Predecessor Contractor Collective Bargaining Agreement (CBA) (May 1989) (41 U.S.C. 351, et seq.).

(d) *Comptroller General Examination of Record.* The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records -- Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c) or (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in paragraphs (i) through (vi) of this paragraph in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause--

- (i) 52.219-8, Utilization of Small Business Concerns (Oct 2000) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.
- (ii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246);
- (iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212);
- (iv) 52.222-36, Affirmative Action for Workers with Disabilities (Jun 1998) (29 U.S.C. 793);
- (v) 52.222-41, Service Contract Act of 1965, as Amended (May 1989), flow down required for all subcontracts subject to the Service Contract Act of 1965 (41 U.S.C. 351, et seq.).
- (vi) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996).

(2) While not required, the contractor May include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

**252.212-7001 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS APPLICABLE TO DEFENSE ACQUISITIONS OF COMMERCIAL ITEMS (JAN 2004)**

(a) The Contractor agrees to comply with the following Federal Acquisition Regulation (FAR) clause which, if checked, is included in this contract by reference to implement a provision of law applicable to acquisitions of commercial items or components.

\_\_\_ 52.203-3, Gratuities (APR 1984) (10 U.S.C. 2207)

(b) The Contractor agrees to comply with any clause that is checked on the following list of Defense FAR Supplement clauses which, if checked, is included in this contract by reference to implement provisions of law or Executive Orders applicable to acquisitions of commercial items or components.

\_\_\_ 252.205-7000, Provision of Information to Cooperative Agreement Holders (DEC 1991) (10 U.S.C. 2416)

\_\_\_ 252.219-7003, Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (DoD Contracts) (APR 1996) (15 U.S.C. 637)

\_\_\_ 252.219-7004, Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (Test Program) (JUN 1997) (15 U.S.C. 637 note)

X 252.225-7001, Buy American Act and Balance of Payments Program (APR 2003) (41 U.S.C. 10a-10d, E.O. 10582).

X 252.225-7012, Preference for Certain Domestic Commodities (FEB 2003) (10 U.S.C. 2533a)

\_\_\_ 252.225-7014, Preference for Domestic Specialty Metals (APR 2003) (10 U.S.C. 2533a).

\_\_\_ 252.225-7015, Preference for Domestic Hand or Measuring Tools (APR 2003) (10 U.S.C. 2533a).

\_\_\_ 252.225-7016, Restriction on Acquisition of Ball and Roller Bearings (APR 2003)

(X Alternate I) (APR 2003) (10 U.S.C 2534 and Section 8099 of Pub. L. 104-61 and similar sections in subsequent DoD appropriations acts).

\_\_\_ 252.225-7021, Trade Agreements (JAN 2004) (19 U.S.C. 2501-2518, and 19 U.S.C. 3301 note).

\_\_\_ 252.225-7027, Restriction on Contingent Fees for Foreign Military Sales (APR 2003)  
(22 U.S.C. 2779)  
\_\_\_ 252.225-7028, Exclusionary Policies and Practices of Foreign Governments (APR 2003)  
(22 U.S.C. 2755)  
\_\_\_ 252.225-7036, Buy American Act--North American Free Trade Agreement Implementation Act--Balance of  
Payments Program (JAN 2004) (\_\_\_ Alternate I) (JAN2004)  
(41 U.S.C. 10a -10d and 19 U.S.C. 3301 note).  
\_\_\_ 252.225-7038, Restriction on Acquisition of Air Circuit Breakers (APR 2003)  
(10 U.S.C. 2534(a)(3)).  
\_\_\_ 252.226-7001, Utilization of Indian Organizations, Indian-Owned Economic Enterprises, and Native  
Hawaiian Small business Concerns (OCT 2003) (Section 8021 of Pub. L. 107-248)  
\_\_\_ 252.227-7015, Technical Data--Commercial Items (NOV 1995) (10 U.S.C. 2320)  
\_\_\_ 252.227-7037, Validation of Restrictive Markings on Technical Data (SEP 1999) (10 U.S.C. 2321)  
X 252.232-7003, Electronic Submission of Payment Requests (JAN 2004) (10 U.S.C. 2227)  
\_\_\_ 252.243-7002, Requests for Equitable Adjustment (MAR 1998) (10 U.S.C. 2410)  
X 252.247-7023, Transportation of Supplies by Sea (MAY 2002) (\_\_\_ Alternate I (MAR 2000),  
(\_\_\_ Alternate II (MAR 2000))(\_\_\_ Alternate III (MAY 2002))(10 U.S.C. 2631)  
\_\_\_ 252.247-7024, Notification of Transportation of Supplies by Sea (MAR 2000) (10 U.S.C. 2631)

(c) In addition to the clauses listed in paragraph (e) of the Contract Terms and Conditions Required to Implement Statutes or Executive Orders--Commercial Items clause of this contract (FAR 52.212-5), the Contractor shall include the terms of the following clauses, if applicable, in subcontracts for commercial items or commercial components, awarded at any tier under this contract:

252.225-7014, Preference for Domestic Specialty Metals, Alternate I (APR 2003) (10 U.S.C. 2533a)  
252.247-7023, Transportation of Supplies by Sea (MAY 2002) (10 U.S.C. 2631)  
252.247-7024, Notification of Transportation of Supplies by Sea (MAR 2000) (10 U.S.C. 2631)

**ADDITIONAL CONTRACT TERMS AND CONDITIONS -- APPLICABLE WHEN CHECKED.**

X **52.211-15, DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)**

X **52.211-16, VARIATION IN QUANTITY, (APR 1984)**

para.(b) fill-ins:

variation shall be limited to: zero percent increase, and zero percent decrease

variation shall apply to: all items

\_\_\_ **52.211-7003, ITEM IDENTIFICATION AND VALUATION, (JAN 2004)**

para.(c)(1)(ii) fill-in: ... none;

para (c)(1)(iii) fill-in: none

para.(c)(1)(iii) fill-in: none

\_\_\_ **52.217-6 OPTION FOR INCREASED QUANTITY (MAR 1989)**

fill-in: ...notice to the Contractor within \_\_\_.

\_\_\_ **52.217-7 OPTION FOR INCREASED QUANTITY-SEPARATELY PRICED LINE ITEM (MAR 1989)**

fill-in: ...notice to the Contractor within \_\_\_.

\_\_\_ **52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)**

fill-in: ...notice to the Contractor within \_\_\_.

\_\_\_ **52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)**

para.(a) fill-in: ...within \_\_\_;

para (a) fill-in: ...at least 60 days before the contract expires.

para.(c) fill-in: ...shall not exceed \_\_\_ (months)(years)..

X **52.219-6, NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE (JUN 2003)**

\_\_\_ **52.232-33, PAYMENT BY ELECTRONIC FUNDS TRANSFER - CENTRAL CONTRACTOR  
REGISTRATION ) (OCT 2003)**

X **52.204-7, REQUIRED CENTRAL CONTRACTOR REGISTRATION (OCT 2003)  
WITH DFARS 252.204-7004 (ALT A) (NOV 2003)**

X **52.232-36, PAYMENT BY THIRD PARTY (MAY 1999)**

**YEAR 2000 WARRANTY – INFORMATION TECHNOLOGY**

(a) The Contractor warrants that all information technology (IT) (as defined at FAR 2.101), whether commercial or noncommercial, delivered under this contract that will be required to perform date/time processing involving dates subsequent to December 31, 1999, shall be Year 2000 compliant if properly installed, operated, and maintained in accordance with the contract specifications and applicable documentation. If the contract requires that specific deliverables operate together as a system, this warranty shall apply to those deliverables as a system.

(b) "Year 2000 compliant" (as defined at FAR 39.002) means that the IT accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other IT, used in combination with the IT being delivered, properly exchanges date/time data with it. The "proper exchange" of date/time data shall be in accordance with the interface requirements specification(s) of the contract.

(c) For line item deliverables which are commercial items (as defined at FAR 2.101), and which include commercial IT, the terms and conditions of the standard commercial warranty covering such commercial IT shall apply in addition to, and to the extent such terms and conditions are consistent with, this warranty. Any applicable commercial warranty shall be incorporated into this contract by attachment.

(d) Notwithstanding any provision to the contrary in other warranty requirement(s) of this contract, or in the absence of any such warranty requirement(s), the remedies available to the Government under this warranty shall include those provided in the Inspection clause(s) of this contract. Nothing in this warranty shall be construed to limit any rights or remedies the Government may otherwise have under this contract.

(e) Unless specified elsewhere in the contract, the Contractor will also deliver to the Government a report summarizing any Year 2000 compliance testing that was performed, and the results thereof.

(f) This warranty shall expire on 31 January 2001, or one hundred eighty (180) days after acceptance of the last deliverable IT item under this contract (including any option exercised hereunder), whichever is later.

**52.211-5, MATERIAL REQUIREMENTS, (AUG 2000)**

**ADDITIONAL MATERIAL REQUIREMENT (MAR 2001)**

All items shall be new, as defined in FAR 52.211-5, Material Requirements.

**INVOICES (APR 1984)**

The Contractor's invoices must be submitted before payment can be made. The Contractor will be paid on the basis of the invoice, which must state --

- (a) The starting and ending dates of the subscription delivery; and
- (b) Either that orders have been placed in effect for the addressees required, or that the orders will be placed in effect upon receipt of payment.

**INVOICE PROCEDURES AND LIMITATION OF LIABILITY**

(a) Limitation of Liability. This order is subject to a "not-to-exceed" funding limitation and the amount currently available for payment hereunder is limited to the total "not-to-exceed" amount in Block 26 of the order. No legal liability on the part of the Government for payment in excess of this amount shall arise unless additional funds are made available and are incorporated as a modification to this order. If the contractor cannot perform in exact accordance with this order, withhold performance and notify the contracting officer immediately, giving your quotation.

(b) Invoicing. The contractor shall submit invoices to:

Name: , Code , Building

Mailing Address:

Naval Undersea Warfare Center Division, Newport  
1176 Howell Street  
Newport, RI 02841-1708

Telephone: Commercial: (401) 832-

(c) Final Adjustment. A written modification to this order will reflect actual costs incurred at the end of the order period, and be subject to a downward adjustment only. No changes can exceed the total "not-to-exceed" amount in Block 28 of the order, or as last modified.

### ACCESS TO GOVERNMENT SITE (OCT 2003)

(a) Contractor personnel shall comply with all current badging and security procedures required to gain access to any Government site. Access to Naval Undersea Warfare Center Division, Newport sites may only be gained by obtaining a badge (either permanent or temporary) from the security office.

The Contractor shall ensure that Contractor personnel employed on any Government site become familiar with and obey Activity regulations. Contractor personnel shall not enter restricted areas unless required to do so and until cleared for such entry. The Contractor shall request permission to interrupt any activity roads or utility services in writing a minimum of 15 calendar days prior to the date of interruption. Contractor personnel shall bear personal protective equipment in designated areas. All contractor equipment shall be conspicuously marked for identification.

The contractor shall strictly adhere to Federal Occupational Safety and Health Agency (OSHA) Regulations, Environmental Protection Agency (EPA) Regulations, and all applicable state and local requirements.

(b) The contractor shall ensure that each contractor employee reads the pamphlet entitled, "Safety and Occupational Health Information for Contractors and Visitors" prior to commencing performance at any NUWCDIVNPT site. Contact Code 552 at 401-832-3534 or 5890 in Newport, RI.

(c) The contractor shall ensure that each contractor employee reads the document entitled, "NUWC Environmental Policy" prior to commencing performance at any NUWCDIVNPT site. This document is available at <http://www.npt.nuwc.navy.mil/pao/envpolicy.htm>.

(d) The contractor shall ensure that each contractor employee who is resident at any NUWCDIVNPT site completes ISO 14001 Awareness training within 30 days of commencing performance at that site. This training is available on the ISO 14001 webpage on the NUWCDIVNPT Intranet.

(e) The contractor shall remove from the Government site any individual whose presence is deemed by the Commander, NUWCDIVNPT, to be contrary to the public interest or inconsistent with the best interests of national security.

### SOLICITATION PROVISIONS

The following provisions marked with an X apply to this solicitation:

#### X AWARD CRITERIA

Award will be made to that responsible offeror proposing the lowest price for the supplies or services meeting the requirements of the solicitation.

#### X 52.212-1 INSTRUCTIONS TO OFFERORS -- COMMERCIAL ITEMS (JAN 2004)

(a) *North American Industry Classification System (NAICS) code and small business size standard.* The NAICS code and small business size standard for this acquisition appear in Block 10 of the solicitation cover sheet (SF 1449). However, the small business size standard for a concern which submits an offer in its own name, but which proposes to furnish an item which it did not itself manufacture, is 500 employees.

(b) *Submission of offers.* Submit signed and dated offers to the office specified in this solicitation at or before the exact time specified in this solicitation. Offers may be submitted on the SF 1449, letterhead stationery, or as otherwise specified in the solicitation. As a minimum, offers must show --

- (1) The solicitation number;
- (2) The time specified in the solicitation for receipt of offers;
- (3) The name, address, and telephone number of the offeror;
- (4) A technical description of the items being offered in sufficient detail to evaluate compliance with the requirements in the solicitation. This may include product literature, or other documents, if necessary;
- (5) Terms of any express warranty;
- (6) Price and any discount terms;
- (7) "Remit to" address, if different than mailing address;
- (8) A completed copy of the representations and certifications at FAR 52.212-3;
- (9) Acknowledgment of Solicitation Amendments;
- (10) Past performance information, when included as an evaluation factor, to include recent and relevant contracts for the same or similar items and other references (including contract numbers, points of contact with telephone numbers and other relevant information); and

(11) If the offer is not submitted on the SF 1449, include a statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation. Offers that fail to furnish required representations or information, or reject the terms and conditions of the solicitation may be excluded from consideration.

(c) *Period for acceptance of offers.* The offeror agrees to hold the prices in its offer firm for 30 calendar days from the date specified for receipt of offers, unless another time period is specified in an addendum to the solicitation.

(d) *Product samples.* When required by the solicitation, product samples shall be submitted at or prior to the time specified for receipt of offers. Unless otherwise specified in this solicitation, these samples shall be submitted at no expense to the Government, and returned at the sender's request and expense, unless they are destroyed during preaward testing.

(e) *Multiple offers.* Offerors are encouraged to submit multiple offers presenting alternative terms and conditions or commercial items for satisfying the requirements of this solicitation. Each offer submitted will be evaluated separately.

(f) *Late submissions, modifications, revisions, and withdrawals of offers.*

(1) Offerors are responsible for submitting offers, and any modifications, revisions, or withdrawals, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that offers or revisions are due.

(2) (i) Any offer, modification, revision, or withdrawal of an offer received at the Government office designated in the solicitation after the exact time specified for receipt of offers is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and-

(A) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of offers; or

(B) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(C) If this solicitation is a request for proposals, it was the only proposal received.

(ii) However, a late modification of an otherwise successful offer, that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(3) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the offer wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(4) If an emergency or unanticipated event interrupts normal Government processes so that offers cannot be received at the Government office designated for receipt of offers by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation or other notice of an extension of the closing date, the time specified for receipt of offers will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(5) Offers may be withdrawn by written notice received at any time before the exact time set for receipt of offers. Oral offers in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile offers, offers may be withdrawn via facsimile received at any time before the exact time set for receipt of offers, subject to the conditions specified in the solicitation concerning facsimile offers. An offer may be withdrawn in person by an offeror or its authorized representative if, before the exact time set for receipt of offers, the identity of the person requesting withdrawal is established and the person signs a receipt for the offer.

(g) *Contract award (not applicable to Invitation for Bids).* The Government intends to evaluate offers and award a contract without discussions with offerors. Therefore, the offeror's initial offer should contain the offeror's best terms from a price and technical standpoint. However, the Government reserves the right to conduct discussions if later determined by the Contracting Officer to be necessary. The Government may reject any or all offers if such action is in the public interest; accept other than the lowest offer; and waive informalities and minor irregularities in offers received.

(h) *Multiple awards.* The Government may accept any item or group of items of an offer, unless the offeror qualifies the offer by specific limitations. Unless otherwise provided in the Schedule, offers may not be submitted for quantities less than those specified. The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit prices offered, unless the offeror specifies otherwise in the offer.

(i) *Availability of requirements documents cited in the solicitation.*

(1) (i) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to--

GSA Federal Supply Service Specifications Section  
Suite 8100  
470 L'Enfant Plaza, SW



Washington, DC 20407  
Telephone (202) 619-8925)  
Facsimile (202) 619-8978).

(ii) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (i)(1)(i) of this provision. Additional copies will be issued for a fee.

- (2) The DoD Index of Specifications and Standards (DoDISS) and documents listed in it may be obtained from the--  
Department of Defense Single Stock Point (DoDSSP)  
Building 4, Section D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

Telephone (215) 697-2667/2179; Facsimile (215) 697-1462.

(i) Automatic distribution may be obtained on a subscription basis.

(ii) Order forms, pricing information, and customer support information may be obtained--

(A) By telephone at (215) 697-2667/2179; or

(B) Through the DoDSSP Internet site at <http://dodssp.daps.mil>.

- (3) Nongovernment (voluntary) standards must be obtained from the organization responsible for their preparation, publication or maintenance.

(j) *Data Universal Numbering System (DUNS) Number.* (Applies to offers exceeding \$25,000, and offers of \$25,000 or less if the solicitation requires the Contractor to be registered in the Central Contractor Registration (CCR) database. The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation "DUNS" or "DUNS+4" followed by the DUNS or DUNS+4 number that identifies the offeror's name and address. The DUNS+4 is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the offeror to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see FAR Subpart 32.11) for the same parent concern. If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one. An offeror within the United States may contact Dun and Bradstreet by calling 1-866-705-5711 or via the Internet at <http://www.dnb.com>. An offeror located outside the United States must contact the local Dun and Bradstreet office for DUNS number.

(k) *Central Contractor Registration.* Unless exempted by an addendum to this solicitation, by submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance and through final payment of any contract resulting from this solicitation. If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror. Offerors may obtain information on registration and annual confirmation requirements via the Internet at <http://www.ccr.gov> or by calling 1-888-227-2423 or 269-961-5757.

(1) *Debriefing.* If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

- (1) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.
- (2) The overall evaluated cost or price and technical rating of the successful and debriefed offeror and past performance information on the debriefed offeror.
- (3) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.
- (4) A summary of rationale for award;
- (5) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror.
- (6) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

#### **LIST OF ATTACHMENTS:**

#### **PAGES**

EXHIBIT "A" – DD FORM 1423, Contract Data Requirements List -

2

ATTACHMENT #1 – Performance Specs

10

## **OFFEROR REPRESENTATIONS AND CERTIFICATIONS.**

Complete the information required below and provide a copy with your offer.

### **CONTRACTOR IDENTIFICATION:**

DUNS number is: \_\_\_\_\_

CAGE code is: \_\_\_\_\_

Taxpayer Identification Number (TIN) is: \_\_\_\_\_

### **52.212-3 OFFEROR REPRESENTATIONS AND CERTIFICATIONS -- COMMERCIAL ITEMS (JAN 2004) -- ALT I (APR 2002)**

(a) *Definitions.* As used in this provision:

*"Emerging small business"* means a small business concern whose size is no greater than 50 percent of the numerical size standard for the NAICS code designated.

*"Forced or indentured child labor"* means all work or service-

- (1) Exacted from any person under the age of 18 under the menace of any penalty for its nonperformance and for which the worker does not offer himself voluntarily; or
- (2) Performed by any person under the age of 18 pursuant to a contract the enforcement of which can be accomplished by process of penalties.

*"Service-disabled veteran-owned small business concern"*-

(1) Means a small business concern-

- (i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and
- (ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

*"Small business concern"* means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and size standards in this solicitation.

*"Veteran-owned small business concern"* means a small business concern-

- (1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and
- (2) The management and daily business operations of which are controlled by one or more veterans.

*"Women-owned business concern"* means a concern which is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of the its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

*"Women-owned small business concern"* means a small business concern --

- (1) Which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and
- (2) Whose management and daily business operations are controlled by one or more women.

(b) Is not applicable to this acquisition.

(c) Offerors must complete the following representations when the resulting contract is to be performed in the United States or its outlying areas. Check all that apply.

- (1) *Small business concern.* The offeror represents as part of its offer that it ☐ is, ☐ is not a small business concern.
- (2) *Veteran-owned small business concern.* [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that it ☐ is, ☐ is not a veteran-owned small business concern.

(3) *Service-disabled veteran-owned small business concern.* [Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (c)(2) of this provision.] The offeror represents as part of its offer that it ☐ is, ☐ is not a service-disabled veteran-owned small business concern.

(4) *Small disadvantaged business concern.* [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not, a small disadvantaged business concern as defined in 13 CFR 124.1002.

(5) *Women-owned small business concern.* [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is, ☐ is not a women-owned small business concern.

**Note: Complete paragraph (c)(6) only if this solicitation is expected to exceed the simplified acquisition threshold.**

(6) *Women-owned business concern (other than small business concern).* [Complete only if the offeror is a women-owned business concern and did not represent itself as a small business concern in paragraph (c)(1) of this provision.]. The offeror represents that it ☐ is, a women-owned business concern.

(7), (8) and (9) are not applicable to this acquisition.

(10) *HUBZone small business concern.* [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents as part of its offer that-

(i) It ☐ is, ☐ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns Maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ☐ is, ☐ is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (c)(11)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. [The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: \_\_\_\_\_.]

Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(11) (Complete if the offeror has represented itself as disadvantaged in paragraph (c)(4) of this provision.) [The offeror shall check the category in which its ownership falls]:

☐ Black American.

☐ Hispanic American.

☐ Native American (American Indians, Eskimos, Aleuts, or Native Hawaiians).

☐ Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory or the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

☐ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

☐ Individual/concern, other than one of the preceding.

(d) Representations required to implement provisions of Executive Order 11246 --

(1) *Previous Contracts and Compliance.* The offeror represents that --

(i) It ☐ has, ☐ has not, participated in a previous contract or subcontract subject either to the Equal Opportunity clause of this solicitation; and

(ii) It ☐ has, ☐ has not, filed all required compliance reports.

(2) *Affirmative Action Compliance.* The offeror represents that --

(i) It ☐ has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by rules and regulations of the Secretary of Labor (41 CFR Subparts 60-1 and 60-2), or

(ii) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(e) Certification Regarding Payments to Influence Federal Transactions (31 U.S.C. 1352). (Applies only if the contract is expected to exceed \$100,000.) By submission of its offer, the offeror certifies to the best of its knowledge and belief that no

Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress on his or her behalf in connection with the award of any resultant contract.

(f), and (g) are not applicable to this acquisition.

(h) Certification Regarding Debarment, Suspension or Ineligibility for Award (Executive Order 12549). The offeror certifies, to the best of its knowledge and belief, that—

(1) The offeror and/or any of its principals ☐ are, ☐ are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency; and

(2) ☐ Have, ☐ have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, state or local government contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and ☐ are, ☐ are not presently indicted for, or otherwise criminally or civilly charged by a Government entity with, commission of any of these offenses.

(i) is not applicable to this acquisition.

**252.212-7000 OFFEROR REPRESENTATIONS AND CERTIFICATIONS--COMMERCIAL ITEMS  
(NOV 1995)**

(a) Definitions. As used in this clause--

(1) "Foreign person" means any person other than a United States person as defined in Section 16(2) of the Export Administration Act of 1979 (50 U.S.C. App. Sec. 2415).

(2) "United States person" is defined in Section 16(2) of the Export Administration Act of 1979 and means any United States resident or national (other than an individual resident outside the United States and employed by other than a United States person), any domestic concern (including any permanent domestic establishment of any foreign concern), and any foreign subsidiary or affiliate (including any permanent foreign establishment) of any domestic concern which is controlled in fact by such domestic concern, as determined under regulations of the President.

(b) Certification. By submitting this offer, the Offeror, if a foreign person, company or entity, certifies that it--

(1) Does not comply with the Secondary Arab Boycott of Israel; and

(2) Is not taking or knowingly agreeing to take any action, with respect to the Secondary Boycott of Israel by Arab countries, which 50 U.S.C. App. Sec. 2407(a) prohibits a United States person from taking.

(c) Representation of Extent of Transportation by Sea. (This representation does not apply to solicitations for the direct purchase of ocean transportation services).

(1) The Offeror shall indicate by checking the appropriate blank in paragraph (c)(2) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term "supplies" is defined in the Transportation of Supplies by Sea clause of this solicitation.

(2) Representation. The Offeror represents that it--

\_\_\_\_\_ Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

\_\_\_\_\_ Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(3) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense Federal Acquisition Regulation Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

**X 252.225-7000, BUY AMERICAN ACT -- BALANCE OF PAYMENTS PROGRAM CERTIFICATE (APR 2003)**

(a) Definitions. "Domestic end product," "foreign end product," "qualifying country," and "qualifying country end product," have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government-

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--

(i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

Line Item No.

Country of Origin

\_\_\_\_\_  
\_\_\_\_\_

(3) The following end products are other foreign end products:

Line Item No.

Country of Origin

\_\_\_\_\_  
\_\_\_\_\_

**Form Approved**  
**OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions searching existing data sources gathering and maintaining the data needed and completing the reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden, to Department of Defense, Washington DC, Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing contracting Officer for the Contract/PR No. Listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT A	C. CATEGORY: <div>TDP      TM      OTHER X</div>			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N66604-4181-02Q4		F. CONTRACTOR		
1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM TEST / INSPECTION REPORT		3. SUBTITLE			
4. AUTHORITY (Date Acquisition Document No.) DI-NDTI-80809B		5. CONTRACTING REFERENCE		6. REQUIRING OFFICE CODE 74		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED B SEE BLK 16	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION 15 DATC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE		
16. REMARKS: BLK 9: SEE ADDNEDUM BLK 12: CONTRACTOR SHALL PROVIDE BOTH A HARD COPY OF THE REPORT AS WELL AS AN ELECTRONIC VERSION OF THE REPORT ON CD MEDIA CAPABLE OF REPRODUCTION				b. COPIES		
				Drafts	Reg	Final Repro
				RACETTE	1	
				15. TOTAL		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM		3. SUBTITLE			
4. AUTHORITY (Date Acquisition Document No.)		5. CONTRACTING REFERENCE		6. REQUIRING OFFICE		
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE		
16. REMARKS: Intentionally Left Blank				b. COPIES		
				Drafts	Reg	Final Repro
				15. TOTAL		
G. PREPARED BY: J THIBODEAUX		H. DATE 7/21/2004	I. APPROVED BY M. MERRIWETHER	J. DATE 7/21/2004		

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

DD FORM 1423  
CONTRACT DATA REQUIREMENTS LIST

BLOCK 16 ADDENDUM

BLOCK 9: The following information is specifically included in amplification of the Block 9 Distribution Statement selected:

Distribution Statement paragraphs are in addition to CLASSIFICATION markings of the data.

CDRL        A001

BLOCK 9:

Distribution Statement B: Distribution to US Government agencies only; Proprietary Information; (date data generated). Other requests for this document shall be referred to NUWCDIVNPT Code70T, Russell A. Racette III.  
(Requesting Code)

The following "EXPORT CONTROL WARNING NOTICE" must be used in conjunction with DISTRIBUTION STATEMENTS identified in all CDRL Items.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Sec. 2751 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App. 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of Dod Directive 5230.25.

## **SOAR RANGE CABLE REPLACEMENT**

### **UNDERSEA OPTICAL-ELECTRICAL-MECHANICAL (OEM) CABLE CHARACTERISTICS SPECIFICATION (CCS)**



## 1.0 INTRODUCTION

This cable specification details the required physical, electrical, optical, and environmental properties of an OEM cable.

## 2.0 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein.

<u>Document</u>	<u>Document Title</u>
IEC 60228	Conductors of Insulated Cables
IEC 60502	Extruded Solid Dielectric Insulated Power Cables for Rated Voltages from 1-kV up to 30-kV
IEC 60811	Measurements of Thickness and Overall Dimensions Test for Determining the Mechanical Properties
IEC 794	Optical Fiber Cables, Part 1. Generic Specification
BS 5099	Specification for Spark Testing of Electrical Cables
ISO 9001	Model for Quality Assurance in Design/Development, Production, Installation and Servicing.
CCITT G652 & G651	
EIA TIA/EIA-455-B	Standard Test Procedure for Fiber Optic Fibers, Cables, Transducers, Sensors, Connecting and Terminating Devices, and Other Fiber Optic Components.
ASTM B3	Standard Specification for Soft or Annealed Copper Wire
ASTM B193	Standard Test Method for Resistivity of Electrical Conductor Materials

## 2.1 AVAILABILITY OF DOCUMENTS

The contractor shall be responsible for obtaining these documents on their own. The documents are international standards and should be readily available.

## 2.2 ORDER OF PRECEDENCE

In the event of a conflict between the text of this document and the references cited herein (except for related associated detail specifications, specification sheets, or MS standards), the text of this document will take precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

When the requirements of the contract, the specification, or any other reference specification are in conflict, the following precedence shall apply:

- Contract
- Performance Specification (supplemental document)
- Standards and Reference Documents

### **3.0 CABLE CHARACTERISTICS**

The undersea cable described within this document is to be used for connecting an existing acoustic sensor system to a facility on land. The general construction of the cable shall be a core cable with an outer covering containing a single layer of armor and overlaid with an abrasion resistant outer covering.

#### **3.1 Cable Composition / Element Lay-up/**

##### *3.1.1 Core Cable*

The core cable (also referred to as unarmored, no external armors or lightweight) shall contain the power conductor(s) or metallic copper tube/tape, fiber optic element(s) and steel armor wires as defined below.

##### *3.1.1.1 Metallic Tube/Tape or Power Conductor(s)*

Power shall be transmitted through the cable via a copper conductor or copper tube. The power conductor(s) or metallic tube shall meet the following specifications:

- 1) Quantity: minimum of 1 individually insulated conductor(s) or metallic tube (IAW Section 3.3 of this specification)
- 2) Conductor/Tube/Tape Material: Copper
- 3) Insulation Material for a copper conductor: Polyethylene (IAW Section 3.3 of this specification)
- 4) Insulation diameter for a copper conductor: Held within +/- 2%
- 5) Insulation finish for a copper conductor: Free from axial scratches and indentations caused by manufacturing and/or cabling processes
- 6) Insulation concentricity for a copper conductor: minimum 70%

##### *3.1.1.2 Fiber Optic Element(s)*

The fiber optic elements shall meet the following specifications:

- 1) Quantity: minimum of 2 single mode fibers (IAW Section 3.4 of this specification)
- 2) Fiber Package: The contractor shall have the option of either fibers in a gel filled optical tube or fibers embedded in tight-buffered matrix with a king wire.
- 3) Insulation Finish if provided: Free from axial scratches and indentations caused by manufacturing and/or cabling processes
- 4) Concentricity (for sheathed tube): minimum 70%

##### *3.1.2 Armoring*

The first layer of armor wire is designated single as an internal strength member/steel armor. One full layer of galvanized steel wires shall surround the conductors/tape/tube and fiber optic package.

##### *3.1.3 Insulation (insulate)*

The insulation shall be a medium or high density polyethylene sheath surrounding the core cable (conductors/tube/tape, fiber optic package, and steel armor wires) with a minimum concentricity of 70%.

#### *3.1.4 Single Armor*

A single layer or armor wires shall surround the insulation (which contains the first armor layer, copper conductor/tube/tape and fiber optic package).

#### *3.1.4 Outer Protection*

The single armored cable shall be surrounded by an abrasion resistant outer covering of yarn saturated with a protective compound such as tar.

### **3.2 Physical**

#### *3.2.1 Outer Diameter*

The maximum finished cable outer diameter shall not exceed 35-millimeters (mm).

#### *3.2.2 Minimum Bending Radius (insulate)*

The minimum cable bending diameter with insulate or otherwise referred to as the core cable shall be 910-mm.

#### *3.2.3 Minimum Bending Radius (finished cable)*

The minimum bending diameter of the SA cable shall be 1000-mm at the nominal operating tensile strength (Section 3.2.5).

#### *3.2.4 Minimum Panning Diameter (non rotating pan)*

The minimum panning diameter for SA cable shall be 910-mm. The installation method must facilitate deploying cable from a non-rotating pan.

#### *3.2.5 Nominal Operating Tensile Strength (NOTS)*

The minimum NOTS shall be 22.2-kN (kilo-Newton) without degradation to the cable's electrical and optical characteristics for the core cable.

#### *3.2.6 Breaking Strength of Finished Cable*

The minimum breaking load shall be 142-kN.

#### *3.2.7 Specific Gravity of Finished Cable*

The cable minimum specific gravity shall be 2.1.

#### *3.2.8 Weight In-Air of Finished Cable*

The cable maximum weight in air shall be 31-kN/km.

#### *3.2.9 Weight In-Seawater of Finished Cable*

The cable maximum weight in seawater shall be 22.7-kN/km.

#### *3.2.10 Compressive Force*

The cable must withstand a minimum uni-axial compressive force orthogonal to the cable axis of 200-psi.

### **3.3 Electrical**

#### *3.3.1 Maximum DC Resistance*

The maximum DC resistance per separate conductor shall be 1.4-ohms/km when normalized to a temperature of 10 degrees Centigrade.

#### *3.3.2 Operating Voltage*

The minimum operating voltage shall be 4000-volts direct current.

#### *3.3.3 Insulation Resistance*

The minimum insulation resistance between the conductor(s) shall be 75-GΩ-km.

### **3.4 Optical**

All fibers shall have equal characteristics as defined in this section.

#### *3.4.1 Maximum Attenuation at 1550 Nanometers*

The maximum attenuation at 1550-nm shall be less than 0.22-dB/km.

#### *3.4.4 Maximum Dispersion for 1550-nm*

The maximum dispersion for 1550-nm shall be less than 18 ps/nm-km

### **3.5 Environmental**

#### *3.5.1 In-Situ Environment*

The cable shall be designed for a 20-year life while constantly submerged in seawater.

#### *3.5.2 Depth Rating.*

The cable assembly shall be designed to withstand a depth rating of a minimum of 1000-meters.

#### *3.5.3 Temperature.*

The cable assembly shall survive a temperature range from 2° - 38° C due to submergence in seawater or in-air storage.

#### *3.5.4 Corrosive Conditions.*

The cable assembly shall survive the corrosive agents associated with seawater.

### **3.6 Fabrication, Construction**

Joining, splicing, or repair of cable components shall not be a normal feature of cable design and construction unless the contractor receives written approval from the government. The cable shall be delivered in one continuous length.

## 4.0 VERIFICATION

The NUWCDIVNPT reserves the right to observe the manufacturing operations and at any time witness the verification activities. The contractor shall notify the NUWCDIVNPT at least five (5) days prior to any tests. The contractor shall have a quality system certified to be in accordance with ISO-9000. NUWCDIVNPT shall have the right to observe and review the operation of the inspection system at anytime during the contract. NUWCDIVNPT shall also have access to all inspection/test data and material purchasing documents generated by the contractor regarding this cable. All test equipment shall manifest up to date calibrations. Calibration certifications shall be made available to the NUWCDIVNPT.

### 4.2 Production Verification

#### 4.2.1 Production Verification and Acceptance

The contractor shall perform the following verifications prior to Government acceptance. All production verifications shall be performed at a room temperature of  $22^{\circ}\pm 5^{\circ}$  C.

#### 4.2.2 Dimensional Thickness Verification

One sample of the single armored cable, of the core cable, and of each insulated conductor, shall be taken from both ends of this cable segment.

##### 4.2.2.1 Single Armored Cable Outer Diameter Verification

The outer diameter of the single armored cable shall be measured at four locations spaced not less than 1 meter apart at both cable ends.

##### 4.2.2.2 Core Cable Sheath Thickness Verification

The thickness of the sheath shall be measured at six positions equally spaced around the circumference of the sheath for each sample.

##### 4.2.2.3 Concentricity Verification

The concentricity of the insulation and the inner sheath shall be calculated according to the following: concentricity (%) =  $D_{\min} / D_{\max} \times 100\%$

Where

$D_{\max}$ : maximum insulation/sheath thickness

$D_{\min}$ : minimum insulation/sheath thickness

#### 4.2.3 OTDR Verification

All fibers shall be measured bi-directionally and averaged at 1550 nm by means of an OTDR.

#### 4.2.5 DC Resistance Verification

The DC conductor resistance of each conductor/pair shall be measured and recorded. From this measurement the ohms per kilometer shall be tested to determine the DC resistance. The instrument shall have an accuracy of  $\pm 1\%$ . Before measurements, the conductor(s) shall have been stored at ambient temperature for a minimum of 4-hours. The test instrument shall be

attached at both ends of the conductor to be measured, or at both ends of a series (pair) connection. All measured values shall be corrected for temperature and length.

#### *4.2.7 Insulation Resistance Verification*

The insulation resistance shall be measured between each conductor and all other conductor(s) and shield grounded, where applicable. The instrument will charge the conductor(s) until they have the same potential as the instrument. The test duration shall be a minimum 5-minutes. All measurements will be corrected for cable length, using the following formula:

$$R_i = R_m \times L / 1000$$

$R_i$  = Insulation resistance ( $M\Omega \times km$ )

$R_m$  = Measured value ( $M\Omega$ )

$L$  = cable length in meters

#### *4.3 Verification Plans and Reports (OK)*

The Contractor shall submit a Production Verification Report IAW CDRL Item A001.

## **SPECIAL PACKING/SHIPPING INSTRUCTIONS W/ADDRESSES**

The following are required packing and shipping instructions to the contractor.

### **Special Packaging Instructions**

The contractor shall provide a steel cable reel for delivery of Item 1. A minimum of twelve (12) feet of the cable end next to the reel core shall be passed through an opening in the flange and be fastened to the outer surface of the flange where it shall be provided protection against damage during shipping. The contractor shall assure that the ends of the cable are sealed to preclude the uptake of moisture during the shipping process. The cabled reel shall be covered with three layers of black plastic to protect the cable from ultra-violet damage. The cable reel shall be marked with a durable permanent tag identifying the cable and the location of the outer cable end relative to the reel.

### **Special Shipping Instructions**

Shipping costs shall be the responsibility of the contractor. All required equipment, licenses, permits, certifications, insurance, etc. required for performance and compliance with local, state, and federal laws, codes and statutes shall remain solely the responsibility of the contractor. The government will become responsible and will offload the delivery vehicle upon arrival at the destination.

### **Shipping Addresses**

The following is the shipping address required by the contractor:

Ocean Construction Support Facility

Building 252

St. Juliens Creek Annex

Portsmouth, VA 23702

Attention: Mr. Jamie Kelly

Telephone (commercial): (757) 485-6403

Facsimile: (757) 396-0479

Delivery shall be between the hours of seven (7:00) A.M. and three thirty (3:30) P.M., Eastern Standard Time on scheduled Ocean Construction Support Facility duty days. The required destination for delivery will be:

## **SOLICITATION PROVISIONS**

The following factors are to be included/addressed by the bidding companies in their proposal for Government evaluation for contract award.

- 1) A cable construction drawing, single page, illustrating the cable's pertinent characteristics (Item 1).
- 2) A single page listing the salient cable characteristics to demonstrate the general cable design features meet the performance characteristics of the specification (Item 1).
- 3) The following specific cable information (Item 1):
  - (a) General description of the core cable identifying the fiber package and type of fillers and/or filling compound
  - (b) The nominal outer diameter (OD) of the inner sheath (i.e. the core cable OD)
  - (c) The design of the outer armoring (number of armor wires, nominal outer diameter and the filling compound)
  - (d) The abrasion resistant outer covering
  - (e) The outer diameter of the completed cable
  - (f) The minimum bending diameter of the core cable
  - (g) The minimum bending diameter of the finished armored cable
  - (h) The minimum repeated bending diameter of the finished armored cable
  - (i) The safe working load of the finished armored cable
  - (j) The breaking load of the finished armored cable
  - (k) The specific gravity of the finished armored cable
  - (l) The weight in air of the finished armored cable
  - (m) The weight in seawater of the finished armored cable
- 4) Detailed packaging shall be identified such that the government can plan and execute the receipt of the cable at their delivery location.



## **PRODUCT ACCEPTANCE REQUIREMENTS**

A technical representative of Code 70 NUWCDIVNPT shall be onsite for witnessing pre-production verification and post-production verification. The Government representative shall have the authority to accept or reject the cable based on the outcome of these verifications. The Contractor shall execute the verifications identified below prior to Government acceptance.

### **Factory Production Verification**

The contractor shall conduct the necessary post-production acceptance tests to verify that the deliverable length of OEM cable meets or exceeds all cable characteristics as set forth within the cable characteristics specification. All tests shall be performed on dry cable only.

### **Production Verification Plans and Reports**

The contractor is to deliver copies of all verification plans and reports in accordance with CDRL Item A001 for the purpose of Government records.